

**U.S. Department of Commerce
SABIT Program
Environmental Technologies
Waste Water Session Participants
(April 5 – May 3, 2003)**

Vitali Danilov

Chief Engineer
Yaroslavlvodokanal
Municipal Enterprise for Water and Wastewater
Services (State-owned)
Yaroslavl, Russia 150003
Website: eng.yvk.ru

Yaroslavlvodokanal was founded in 1883, when the first water system was established in Yaroslavl. In 2001, Yaroslavlvodokanal received an award for the All-Russia Best Agency of the Housing and Communal Services Sector. Mr. Danilov is the Chief Engineer and is responsible for the continuous supply, maintenance, and quality control of water and wastewater in Yaroslavl. As Yaroslavl is an industrial city, there are problems connected with wastewater from petrochemicals, machine building, varnish and paint industries and the food industry. Also of concern is sludge treatment and disposal. While in the United States, Danilov would like to explore technologies to address these issues. Since 2000, Danilov has been the chairman of "Chistaya Voda", the association of water and wastewater companies of the upper Volga. This association promotes cooperation and development of the water sector in the region.

Yuri Galkin

Company Director
ECO-PROJECT Research and Planning/Design
Firm, Ltd. (Private, Galkin owns 20%)
Ekaterinburg, Russia 620049
Website: eco-project.ru

ECO-PROJECT was started and is run today by Mr. Galkin and a number of partners who worked together from 1968 to 1990 at the Department of Water Management at the Ural State Institute. In 1990, they formed a company called ECO-KHIM, which was reorganized into ECO-PROJECT in 1993. Today, the company develops water treatment technologies, projects and equipment. It also installs water treatment works and provides consultations. ECO-PROJECT has recently provided a water supply system for a wire mill in the Nizhne-Serginsk metallurgical plant, as well as storm drain treatment systems in the cities of Ekaterinburg, Chelyabinsk, Novouralsk.. Galkin is interested in purchasing equipment, leasing equipment and in forming a joint-

venture. Galkin participates in the Ecological Council of the Ekaterinburg Administration, holds fifteen patents and is the author of almost eighty scientific articles.

Volodymyr Geletyuk

Head of the Ecology and Water Resources
Department
State Department of Ecology and Natural Resources
in Zaporizhzhya (State-owned)
Zaporizhzhya, Ukraine 69035
Website: N/A

The State Department of Ecology and Natural Resources was formed in 1988 and creates and interprets ecological legislation in Zaporozhzhye. As the head of the Ecology and Water Resources Department, Mr. Geletyuk controls and regulates the central government's policies on water ecology in the region. He provides consultations to enterprises and establishments on water use and water protection programs. He is interested in learning more about wastewater treatment equipment available in order to introduce it to these enterprises in the Zaporozhzhye region. Geletyuk has a background as an engineer-hydrologist and twelve years of experience in sewage treatment.

Rakhimzhan Kalendarev

Director
CWG Moldir Su Group (Private, Kalendarov owns 25%)
Almaty, Kazakhstan 480013
Website: N/A

Mr. Kalendarev and three partners started CWG Moldir Su in 1998 to provide complete systems of water treatment in Kazakhstan. CWG provides "work packages" that include surveying and feasibility, delivery of equipment, installation, start-up and adjustment, staff training and maintenance. CWG Moldir Su has provided its service to a number of thermal power plants in Almaty and Atyru, Kazakhstan, as well as an atomic power plant, an electric power plant and an oil refinery. As director, Kalendarev is responsible for the general management of the company as well as purchases of equipment and of supplies. His interests include the treatment of wastewater from power plants. Kalendarev holds a number of patents and has

published articles on the use of reagents in water supply systems.

Miron Kiritchouk

Chemical Engineer
Aquadom Ltd. (Private)
Vladivostok, Russia 690018
Website: N/A

Aquadom Ltd. was established in 1995 to provide new technologies and equipment for water purification and to provide water treatment consultations to private companies as well as governmental and non-governmental organizations. Mr. Kiritchouk previously worked for the Vladivostok Municipal Water Utility and has been a chemical engineer at Aquadom since 2000. He is interested in learning more about filtering iron and manganese from underground water and using coagulants. Aquadom will be participating in a project to upgrade the sewage filtering system in Vladivostok (currently up to 80% of the sewage is dumped untreated into the Sea of Japan) and Kiritchouk plans to use recycling technologies learned in the United States to assist in the upgrade.

Ibrahim Mammadzada

Water and Environment Division Manager
ASPI Consulting Engineers, Inc. (Private, Mammadzada owns 20%)
Baku, Azerbaijan 370014
Website: www.aspi.az

Azerbaijan Special Project Investigations (ASPI) is a private consulting firm established in 1994 by Mr. Mammadzada and three partners. ASPI provides designing and engineering services in both rural and urban infrastructure, technical assistance, feasibility studies and supervision of construction/quality control. Mammadzada is the manager of the Water and Environment Division and advises the Government of Azerbaijan in the field of restructuring and privatization of the water and wastewater infrastructure. He has twenty-five years of experience in water resource engineering and participated in the World Water Congress, held in Australia, in 2000. He is interested in studying EPA regulations and how U.S. companies implement them into company policies and contracts.

Olena Melnyk

Chief Technologist
Vodokanal (State-owned)
Zaporozhzhye, Ukraine 69002
Website: N/A

Vodokanal is a state-owned water and wastewater utility that has been in existence since 1894. In 2002,

the Vodokanal was organized as a for-profit enterprise managed by the City Council. It provides potable water and handles all sewage from the city of Zaporozhzhye. As all water is both taken from and discharged into the Dnepr River, monitoring of pollution levels is vital. As Chief Technologist, Ms. Melnyk is responsible for testing the drinking water quality and the levels of pollutants in the wastewater after treatment. She also deals with wastewater sludge recycling, improving filter efficiency and improving treatment technologies. Vodokanal has received a loan from the European Bank for Reconstruction and Development (EBRD) to implement five programs: wastewater treatment, potable water preparation, energy efficiency, leakage reduction and water demand management. Melnyk hopes to choose appropriate equipment and technologies for these programs while in the United States.

Volodymyr Potapenko

Deputy Director
MBS, Ltd. (Private, Owned by Potapenko family)
Kyiv, Ukraine 03232
Website: N/A

MBS Ltd. is a private environmental engineering and consulting company established in 1993. MBS activities focus on wastewater treatment, energy efficiency and cleaner production. As Deputy Director, Mr. Potapenko conducts feasibility studies and handles project management as well as financial planning and logistics. The company's past projects include the design, the construction and the testing of semi-industrial anaerobic wastewater treatment plans for the Syktyvkar forest industrial complex in Russia. Also, the organization has worked on feasibility studies and pilot scale testing of anaerobic biotechnology for the "Nadezhda" yeast plant in Krivoy Rog, Ukraine. Potapenko would like to establish relations with U.S. biological wastewater treatment technologies suppliers. He is interested in learning more about wastewater processing for the food, pharmaceutical and chemical industries.

Valeriy Ruckiy

Director
Eurovoda (Private, Ruckiy owns 33%)
Minsk, Belarus 220102
Website: www.evrovoda.by

In 1995, Mr. Ruckiy founded a wastewater treatment company called "Dinet" and, in 2001, reorganized it together with his son and a partner into "Eurovoda". Eurovoda provides treatment systems, filters and services for industrial and domestic wastewater. Eurovoda is currently involved in the construction of a water treatment system for the Republic Radiological Center and has plans to provide a salt-

removal system for water at Belarus' main oil processing plant. Ruckiy hopes to learn more about management and new technologies while in the United States.

Ubaydulla Safayev

Department Head

Research and Design Institute "Atmosphere" (State-owned)

Tashkent, Uzbekistan 700000

Website: N/A

"Atmosphere" was established in 1992 and merged with an existing state organization "Center for Ecology of Water Economy". "Atmosphere" is involved in all aspects of environmental protection and emission reduction. The organization has a specific focus on sewage polluted by minerals and oil products. As an arid country, Uzbekistan depends on its underground water sources, which are at risk from leaking oil storage containers in refineries. Mr. Safayev is the director and department head of sewage treatment from pollutants of oil origin. It is his job to develop synthetic sorbents and other physical and chemical treatment methods for sewage as well as to research technologies for treatment. He currently uses a pretreatment method of catalytic oxidization and would like to explore methods used by his U.S. colleagues. Safayev has worked in petrochemistry for more than thirty years.

Yuliya Salmina

Director

West Siberian Meteagency (State-owned)

Novosibirsk, Russia 630099

Website: www.meteo.nso.ru

The West Siberian Meteagency was established in 1999 as part of the regional administration for monitoring environmental pollution. The Meteagency's function is to facilitate cooperation between various organizations involved in environmental protection, raise funds for the development of environmental monitoring systems and evaluate industrial projects for compliance with legislation. As the chief specialist of water monitoring, Ms. Salmina works with and advises engineers of private enterprises on reducing wastewater pollutant concentrations. She also develops environmental legislation. Salmina is the vice-president of the Ob Basin Protection Organization, a nonprofit group committed to water protection initiatives. Her topics of interest include urban rainwater drainage (a significant problem in Siberia), environmental legislation and enforcement, and the cleaning of pollutants (petroleum, phenols and aluminum).

Arystan Sarsenov

Chair of the Chemistry Department

Aktobe State University named after Zhubanov (State-owned)

Aktobe, Kazakhstan 463000

Website: N/A

In 1995, Aktobe State University was re-formed from an existing state pedagogical institute. It is made up of ten departments and trains more than sixteen thousand students per year. As the Chair of the Chemistry Department, Mr. Sarsenov focuses on treating sewage polluted with heavy metals and oil. New techniques and equipment is designed and tested by the department and then introduced to the local industry. The department also trains students and specialists already working in environmental protection. In addition to his responsibilities at the university, Sarsenov heads a non-governmental association called "Aktobe Ecolog". This group is tasked with promoting the understanding of ecological issues among the local population and media. While in the United States, Sarsenov is particularly interested in learning about extracting coniferous acid from sewage and reprocessing it into artificial soil. He is also eager to learn about alternate methods of treating sewage from the mining and oil industry.

Vitaliy Stryapikhin

Chief Engineer

Foundation for Water Supply and Treatment Technology, Project and Design Center (Private, Stryapikhin owns 2%)

Kyiv, Ukraine 01004

Website: N/A

The Project and Design Center was established in 2002. The Project and Design Center provides solutions to increase the efficiency of water and sewer purification systems. The Center's largest client is "PLESO", a state utility, but it also provides services to individuals and private companies. Stryapikhin has an engineering degree in water supply, sewage and the protection of water systems. He is interested in the purification of oil polluted sewage using sorbents and reagents. While in the United States, he hopes to examine trends and new technology to help the Project and Design Center compete in the market.

Svetlana Svergouzova

Head of the Industrial Ecology Department
Belgorod State Technological Academy of Building
Materials (State-owned)
Belgorod, Russia 308012
Website: www.intbel.ru

The Belgorod State Technological Academy of Building Materials is a research and educational institute established in 1954. Ms. Svergouzova has been the head of the industrial ecology department since 1992. She is responsible for designing and creating new technologies for sewage disposal and water treatment plants. She consults with companies upgrading their wastewater treatment systems. Some of her projects include consulting the Belgorod sewage disposal plant as well as "Sokol", a communications/telephone company and "Energomash", an asbestos and cement plant. Her long-term goal is to increase the efficiency of local Belgorod water treatment systems by 30-50%. She would like to learn more about using industrial wastes like ash, slag, and sludge for wastewater treatment.

Sergey Terentyev

Director
Research and Production Company "Technovatsi
(Private, Terentyev owns 50%)
St. Petersburg, Russia 196105
Website: www.waterline.ru

Technovatsia is a private company established in 1999 by Mr. Terentyev and a partner. Their goal was to establish a company to provide qualified and knowledgeable specialists to handle all aspects of water and sewage treatment. Technovatsia currently emphasizes water treatment through ozonization. The company has implemented projects such as sewage purification of a fishing area polluted with oil and detergents and swimming pool disinfection without the use of chlorine. Terentyev is interested in wastewater treatment for the pulp and paper industry, as Technovatsia has future projects planned in this arena.

Zhoraly Tokmurzin

Deputy Director
Institute of Oil and Water (Private, Tokmurzin owns 33.3%)
Almaty, Kazakhstan 480031
Website: N/A

The Scientific Research Institute of Oil and Water was founded in 1992 as an independent, non-governmental organization. Mr. Tokmurzin, together with two partners, owns the Institute and also serves as its Deputy Director. The Institute develops technology in the fields of water purification, processing and desalination, as well as related environmental and technical problems. Tokmurzin is the chairman of the lab of water technologies and has a background in chemistry. He has published more than forty articles in Kazakh and international scientific journals and holds twelve patents. He is interested in drinking water standards and analysis, as well as treatment of wastewater from thermal power plants.

Artur Vakhitov

Consultant
National Center of Cleaner Production (State-owned)
Tashkent, Uzbekistan 700043
Website: N/A

The Uzbek National Center of Cleaner Production was created in September 2001. The mission of the Center is to offer an integrated service package to industries for improving their environmental issues. The Center provides in-plant assessments, training, technology and policy advice for its clients. Mr. Vakhitov is the chief expert in the industrial wastewater cleaning and technologies area. He is particularly interested in wastewater treatment as it pertains to the textile industry. He plans to more fully develop the concept of waste minimization and prevention upon his return, as he feels that environmentally damaging byproducts are currently regarded as inevitable in Uzbekistan.